Backend and Database Development

13 classes

Day 9 : May 14 2024

Java Technologies

Login Application ie SignIn and SignUp using JDBC with Maven project

Login table created

**create table login(emailid varchar(25) primary key, password varchar(25));**

create login bean class which map to table

LoginDao class which contains jdbc method

SignIn and SignUp

Sharing the data between one servlet to another servlet

Using request object.

LoginServlet

request.setAttribute(“key”,value); value can be string type, integer type, float type or object type.

Home servlet

request.getAttribute(“key”); and return type is object we need to do the type casting depending upon the value.

Session Tracking :

Session : Session is a collection of http request and response within a particular period of time is known as session. To maintain that session using some technique is known as session tracking.

By default http is state less protocol. Using http protocol we can’t keep track about the session.

Session tracking technique

1. Cookies : Cookies is small text file created by server when client send first request to server.

This file created by server but stored in client machine. Which contains lot of information like name, path, expiry etc.

1st Req -------------------------🡪

2nd req + session id ---------------🡪

Client Server

1st res + cookies (session Id)

2nd res + cookies (session id )

Limitation of cookies.

1. Client can disable cookies option on client machine browser. If cookies disable server can’t keep track about the client.
2. Cookies not secure.

URL Re-writing technique : So if client can disable cookie option in client machine. Then server side technologies append session Id through URL in the form of encryption.

URL?sessionId= &&&%%%%%%A^^^^\*\*\*\*\*\*$$$$$$$

This technique is good if cookies is disable in client machine

Limitation: this technique only support for get method not for post method.

1. HttpSession : Java provided pre defined api or interface which contains set of methods which help to keep the track account the session.

Syntax to create HttpSession object

HttpSession hs = request.getSession();

Dynamic web project version 3.0 onward on web.xml file (optional).

Servlet and servlet-mapping tag replace by @WebServlet